

**Commonwealth of Kentucky**  
**Division for Air Quality**

**PERMIT APPLICATION SUMMARY FORM**

Completed by: Herbert Campbell

GENERAL INFORMATION:

Name:	Tennessee Valley Authority, TVA Shawnee Fossil Plant
Address:	7900 Metropolis Lake Road West Paducah, Kentucky
Date application received:	December 13, 1996
SIC/Source description:	4911/Electrical Power Plant
EIS #:	21-145-00006
Application log number:	50078/E885
Permit number:	V-03-054

APPLICATION TYPE/PERMIT ACTIVITY:

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input checked="" type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052,1(14)(b)	

MISCELLANEOUS:

- ☒ Acid rain source
- ☒ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☒ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

### EMISSIONS SUMMARY:

Pollutant	Actual (tpy) controlled	Maximum (tpy) uncontrolled
PM	7,570	815,670
PM <sub>10</sub>	6,964	187,139
SO <sub>2</sub>	89,452	147,715
NO <sub>x</sub>	53,695	53,695
CO	7,645	7645
VOC	251.8	251.8
HCL(7647-01-0)	15,672.6	17,430
HF( 7664-39-3)	649.6	714.9

### Source Description:

The source is an electric power generating plant that has ten coal-fired boilers, two 10 mmBtu/hour oil-fired boilers, and coal, limestone and ash handling facilities. Nine boilers are pulverized-coal, dry bottom wall-fired units rated at 1691 mmBtu/hour, each with cyclones and bagfilters. One boiler is a fluidized-bed combustor, coal-fired, bubbling-bed, fly ash reinjection unit rated at 1800 mmBtu/hour with cyclone and bagfilter.